

CLAIMS LISTING

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Claim 25 (previously amended) 25.A curing light comprising:

~~a wand adapted to be grasped by a human hand for use in positioning and manipulating the curing light,~~
a light module attached to said wand,
said light module including an elongate heat sink with a proximal end and a distal end,
~~said proximal end being proximate said wand,~~ said elongate heat sink having a longitudinal axis,
a mounting platform located at said elongate heat sink distal end, said mounting platform being adapted to have a LED chip module mounted thereon, and
an LED chip module mounted on said mounting platform, said LED chip module including
a primary heat sink, said primary heat sink having a smaller mass than said elongate heat sink,
a well on said primary heat sink for mounting an LED chip therein,
an LED chip mounted in said well,
~~a cover that provides protective covering for said LED chip and which permits light emitted by said LED chip to pass through it to provide usable light exiting from said light module;~~
wherein said LED chip module is mounted on said mounting platform; and wherein said mounting platform is positioned so at least some that of the light emitted by said LED chip module directly forward of said LED chip module travels away from said LED chip module in a linear at an angular orientation in the range of 30 to 150 degrees; direction that represents an angle with respect to said elongate heat sink longitudinal axis in the range of 30 to 150 degrees and wherein light emitted by the curing light travels away from the curing light at an angular orientation in the range of 30 to 150 degrees with respect to said elongate heat sink longitudinal axis; and
wherein said light exits the curing light and travels to a location where it can cure a light-curable material without passing through a light guide.

Claim 26 (previously amended) 26.A curing light comprising:

an elongate heat sink with a proximal end and a distal end, said elongate heat sink having a longitudinal axis defined between said proximal end and said distal end,

an LED chip module mounted at said elongate heat sink distal end, said LED chip module including

a primary heat sink, said primary heat sink having a smaller mass than said elongate heat sink, and

~~a well on said primary heat sink for mounting an LED chip,~~

~~an LED chip mounted to said primary heat sink; ~~in said well,~~~~

~~a cover that provides protective covering for said LED chip and which permits light emitted by said LED chip to pass through it to provide usable light exiting from said light module;~~

~~wherein said LED chip module is mounted on said mounting platform in a position so at least some that light emitted by said LED chip module directly forward of said LED chip module travels away from the curing light said LED chip module at an angle in the range of 45 to 135 degrees with respect to said elongate heat sink longitudinal axis; ~~said LED chip module in a linear direction that represents an angle with respect to said elongate heat sink longitudinal axis in the range of 30 to 150 degrees.~~~~

~~wherein said light exits the curing light and travels to a location where it can cure a light-curable material without passing through a light guide.~~

Claim 27 (currently amended) 27. A curing light as recited in claim 26 further comprising a well on said primary heat sink wherein said LED chip is mounted ~~in said well by use of a heat conductive adhesive.~~

Claim 28 (cancelled)

Claim 29 (cancelled)

Claim 30 (cancelled)

Claim 31 (previously amended) 31. A curing light comprising:

~~an elongate heat sink sink with a proximal end and a distal end, said elongate heat sink~~

having a longitudinal axis ~~defined between said proximal end and said distal end,~~

a semiconductor chip capable of emitting light that can aid in initiating curing of a curable material, that can be used to facilitate a curing process;

wherein said semiconductor chip is fixedly mounted with respect to said elongate heat sink so ~~at least some~~ that light emitted by said semiconductor chip directly forward of said semiconductor chip ~~departs said semiconductor chip the curing light travels away from said semiconductor chip module in a linear direction that represents~~ at an angle with respect to said elongate heat sink longitudinal axis in the range of 30 to 150 degrees; and

wherein said light travels to the exterior of the curing light and travels to a location where it can cure a light-curable material without passing through a light guide.

Claim 32 (cancelled)

Claim 33 (cancelled)